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Result
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Listing first 45 summaries
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Perfect score:
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    No. is the number of results predicted by chance to have a
re greater than or equal to the score of the result being printed,
is derived by analysis of the total score distribution.

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1235
1 CGAGGCTCAAGCTCC
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2612.955 Million cell updates/sec
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Gapop 10.0 , Gapext 1.0
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                                                                           GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.
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/cgnl_6/ptodata/2/ina/5B_COMB.seq:*
/cgnl_6/ptodata/2/ina/5C_COMB.seq:*
/cgnl_6/ptodata/2/ina/5D_COMB.seq:*
/cgnl_6/ptodata/2/ina/PCTUS9_COMB.seq:*
/cgnl_6/ptodata/2/ina/backfilesl.seq:*
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US-08-194-087-15
                    US-08-206-006-1
US-08-125-468-1
US-08-474-933-1
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US-08-461-379A-33
US-08-462-390B-33
US-08-463-081B-9
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US-07-945-283-1
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US-08-232-463-14
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                   Sequence 11, Appl
Sequence 1, Appli
Patent No. 523425
Patent No. 519516
Sequence 1, Appli
Sequence 1, Appli
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Sequence 15,
Patent No. 52
                                                                                                                             Sequence 14, Appl
Sequence 1, Appli
Sequence 11, Appli
Sequence 1, Appli
Sequence 15, Appl
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Sequence 33, Appl
Sequence 3, Appli
Sequence 9, Appli
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Sequence 9, Appli
Sequence 2, Appli
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                                                                                                           15, Appl
5223425
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## ALIGNMENTS

RESULT 1 US-08-463-081B-33; Sequence 33, Ap

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Sequence 33, Application US/08463081B
Patent No. 5871960 5837487
GENERAL INCOMMATION:
APPLICANT: Smith, Kendall A. & Beadling, Carol
APPLICANTON: Vector and Transformed Cell Thereof, and Expression Thereof
NUMBER OF SEQUENCES: 35
CORRESSEE: PRETTY, SCHROEDER & POLPAMSKI
STREET: 444 South Flower St. - Suite 1900
STATE: California
COUNTRY: USA Angeles
COUNTRY: USA Angeles
COUNTRY: USA Angeles
COUNTRY: USA Angeles
COUNTRY: COS Angeles
COUNTRY: CAROL
COUNTRY: COS Angeles
COUNTR
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Best Local Similarity

5.6%; 51.3%;

Score 69.6; DB 3; Pred. No. 3.3e-07;

Length 774;

Query Match

0

Query Match 5.6%; Best Local Similarity 51.3%;

Score 69.6; Pred. No. 3

5; DB 3; 3.3e-07;

Length 774;

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APPLICANT: Smith, Kendall A. & Beadling, Carol
TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
TITLE OF INVENTION: Vector and Transformed Cell Thereof, and
TITLE OF INVENTION: Expression Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-461-379A-33
                                                                                                    TELEFAX: (610)470-0701
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/461,379A
FILING DATE: 5-JUNE-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/330,108; 08/104,736
APPLICATION NUMBER: 6 07/796,066
FILING DATE: 27-OCT-1994; 10-AUG-1993 & 20-NOV-91
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIA RE-lease #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 774 base pairs
                                                                                                                                              TELEPHONE: (610)470-0700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                    NAME: Viviana Amzel, Ph. D. REGISTRATION NUMBER: 30,930 REFERENCE/DOCKET NUMBER: DAI
TOPOLOGY:
                 STRANDEDNESS:
                                        TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Valley Forge
STATE: Pennsylvania
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5-JUNE-1995
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RESULT 3
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GENERAL INFORMATION:
APPLICANT: Smith, K. A., & Beadli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 162;
                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/
FILING DATE: 5-JUNE-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN C
FILING DATE: 27-OCT-1994
APPLICATION NUMBER: USSN C
FILING DATE: 10-AUG-1993
FILING DATE: 10-AUG-1993
APPLICATION NUMBER: USSN C
FILING DATE: 20-NOV-91
ATFORNEY/AGENT INFORMATION:
ANAME. VILLED DATE: DEPT.
                                                           INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                  NAME: Viviana Amzel, Ph. D. REGISTRATION NUMBER: 30,930 REFERENCE/DOCKET NUMBER: DA. TELECOMMUNICATION INFORMATION: TELEPHONE: (610,407-9700
                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOCTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Ratner & Prestia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Smith, K. A., & Beadling, C.
TITLE OF INVENTION: Nucleic Acids Encoding CR8 Polypeptide, Vector and
TITLE OF INVENTION: Transformed Cell Thereof, and Expression Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          389
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STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE:
                                     ENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCCTGGCCTTTCCGGA 464
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Valley Forge
                                   774 base pairs
                                                                                                       (610)407-0701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                             USSN 08/330,108
                                                                                                                                                                                                                                                                                                                   USSN 08/104,736
                                                                                                                                                                                                                                                                                                                                                                                                                           US/08/462,390B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (B) STREET:One Westlakes-Berwyr
                                                                                                                                                                                                                                                                          07/796,066
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Best Local Similarity
Matches 162; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PARENT NO. JOINTHON:
GAPPLICANT: Smith, Kendall A. & Beadling, Carol
APPLICANT: Smith, Kendall A. & Beadling, Carol
TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide,
TITLE OF INVENTION: Vector and Transformed Cell Thereof, and Expression Thereof
TITLE OF SEQUENCES: 35
                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
SOFTWARE: Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/463,081;
FILING DATE: 5-JUN-1995
PRICR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,066
FILING DATE: 20-NOV-91
ATTORNEY_ACENT INFORMATION:
NAME: VIviana Amzel, Ph. D.
REGISTRATION NUMBER: 960
REFERENCE/DOCKET NUMBER: P60
REFERENCE/DOCKET NUMBER: P60
TELECOMMUNICATION INFORMATION:
                                                                                                                                 APPLICATION NUMBER: US 08/104,736 FILING DATE: 10-AUG-1993 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Los Angeles
STATE: California
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Pred. No. 3.3e-07;
0; Mismatches 154;
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US-08-461-379A-9
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Sequence 9, Application US/08461379A
Patent No. 5871961
GENERAL INFORMATION:
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Matches 162; Conservative
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SEQUENCE CHARACTERISTICS:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,379A
FILING DATE: 5-UURE-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/330,108; 08/104,736
APPLICATION NUMBER: 607/796,066
APPLICATION NUMBER: 607/796,066
FILING DATE: 27-OCT-1994; 10-AUG-1993 & 20-NOV-91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Smith, Kendall A. & Beadling, Carol TITLE OF INVENTION: Nucleic Acids Encoding CR5 Polypeptide, TITLE OF INVENTION: Vector and Transformed Cell Thereof, and TITLE OF INVENTION: Expression Thereof NUMBER OF SEQUENCES: 35
                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Pennsylvania
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ADDRESSEE: Rather & BOTREET:One Westlakes-Berwyn
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TYPE: nucleic acid
STRANDEDNESS: single
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Pred. No. 4.5e-07;
0; Mismatches 154
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; LOCATION:
US-08-461-379A-9
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INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1960 base pairs
TYPE: nucleic acid
STRANDENNESS: single
                                                                                                                                                                                                                                                                                                Sequence 9, Application US/08462390B
Patent NO. 5882894
GENERAL INFORMATION:
APPLICANT: Smith, K. A., 6 Beadling, C.
TITLE OF INVENTION: Nucleic Acids Encoding CR8 Polypeptide, Vector and TITLE OF INVENTION: Transformed Cell Thereof, and Expression Thereof NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -08-462-390B-9
                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: VIVIANA AMZel, Ph. D.
REGISTION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610)470-0700
APPLICATION NUMBER: US/0 FILING DATE: 5-JUNE-1995 PRIOR APPLICATION DATA:
                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
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                                                                                                                                                                                                                    ADDRESSEE: .
CITY: Valley Forge
STATE: Pennsylvania
                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                  ADDRESSEE: Ratner & Prestia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GTCAACGGAACTGCTTCTTCGCGCTCAGCGTGAAGATGGCTTCGGGCCCCACGAGCATCC 542
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                                                                                                                                                                                                      USA
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                                     US/08/462,390B
                                                                                                                                                                                                                                                               (B) STREET:One Westlakes-Berwyn
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Pred. No. 4.5e-07;
0; Mismatches 154;
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GENERAL INFORMATION:
APPLICANT: Horlick, Robert A.
APPLICANT: Damaj, Bassam B.
APPLICANT: Robbins, Alan K.
TITLE OF INVENTION: Eukaryotic Cells Stably Expressing Gen
TITLE OF INVENTION: From Multiple Transfected Episomes
FILE REFERENCE: 0867/1D903US1
CURRENT APPLICATION NUMBER: US/09/130,114
CURRENT FILING DATE: 1998-08-06
NUMBER OF SEQ ID NOS: 36
SOPTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2
LENGTH: 1931
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; NAME/KEY:
; LOCATION:
US-08-462-390B-9
                                                                                                                                                                                                                                                                                                                                                      US-09-130-114-2
                                                                                                                                                                                                                                                                                                    Sequence 2, Application US/09130114 Patent No. 5976807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 162;
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Best Local Similarity
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FILING DATE: 27-OCT-1994
APPLICATION NUMBER: USSN 08/104,736
FILING DATE: 10-AUG-1993
APPLICATION NUMBER: USSN 07/796,066
FILING DATE: 20-NOV-91
ATTORNEY/AGENT INFORMATION:
NAME: VIVIana Amzel, Ph. D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (610)407-0
TELEFAX: (610)407-070
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Viviana Amzel, Ph. D.
REGISTRATION NUMBER: 30,930
REFERENCE/DOCKET NUMBER: DAN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610,407-0700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: 15
MOLECULE TYPE:
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TYPE: n
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTTTCGAGCTGCTGGA 618
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Pred. No. 4.5e-07;
0; Mismatches 154;
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US-08-232-463-14; Sequence 14, Application US/08232463
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US-09-130-114-2
                                                                                                                                                                                                                                           Patent No. 5670
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
Matches 292; Conserv
                                                                                                                                                                                                                             GENERAL INFORMATION:
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                   NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                            APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             470
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                                                                                        STREET: 1800 Diag
                                                                                                                                                                 TLE OF INVENTION:
                                                          COUNTRY:
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                                                                                                                       IDDRESSEE:
                                                                                                                                                                                                                                                                                                                                                              GGGGCCCCGCTGCGCCAGCGCCGCGTGCGGCCGCTGCAGGAGCTGTGTCGCCAGCGC 706
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                                              22313-0299
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                                                                                                       E: Foley & Lardner
1800 Diagonal Road,
                                                              USA
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Pred. No. 2e-05;
                                                                                                         Suite
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RESULT 9 US-08-804-227C-1

1340

Sequence 1, Application US/08804227C Patent No. 5876991

GENERAL INFORMATION:

APPLICANT:

DeHoff, Bradley S.

APPLICANT:

APPLICANT:

TITLE OF

INVENTION:

GENES

Kubstoss, Stuart A.
Rosteck, Paul R., Jr.
Sutton, Kimberly L.
VENTION: POLYKETIDE SYNTHASE

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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: EP 91 114
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 3047
TELECOMMUNICATION INFORMATION:
                                                            1341
                                                                                                                        1281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: PC-DOS/MS-DOS
SOSTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,46:
1401 YYYYYYYYYYYYYYYYYYY 1421
                                                                                                                                                                                  1221
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                                                                                                                                                                                                                                                                                                     1101
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LENGTH: 7218 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                            364
                                                                                        304
                                                                                                                                                                                                              184
                                                                                                                                                                                                                                                                         124
                                                                                                                                                                                                                                                                                                                                64 CTGTGCCACCCGGACGCCCGGCTCACTGCCTCTGTCTCCCCCCATCAGCGCAGCCCCGGAC 123
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TOPOLOGY: 11r
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                            4 GGCTCAAGCTCCGGGCGGATTCTGCGTGCCGCTCTCGCTCCTTGGGGTCTGTTGGCCGGC
                            CACGCGGACCAGCGCGCTCCT 384
                                                          CCCAGCCCCTGGCGACACTCACTTCCGCACCTTCCGCTCCCACTCCGATTACCGGCGCAT 363
                                                                                                                      CTCGTCTTCGTCCTCGCCAGCGGCCCCCGTGCGTCCCCGGCCGCCGGCGGTCCCAGC 303
                                                                                                                                                                                AGCCGACAATGCGATCTCCCCGGCAGCAGAGCCCCGACGGCGGTCAGAGCCCTTCCTCGTC 243
                                                                                                                                                                                                                                           GCTATGGCCCACCCCTCCAGCTGGCCCCTCGAGTAGGATGGTAGCACGCAACCAGGTGGC 183
                                                                                                                                                                                                                                                                                                     14;
                                                                                                                                                                                                                                                                                                                                                                                                                          4.5%; Score 55.4; DB ilarity 3.7%; Pred. No. 0.001; Conservative 218; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         : (703)836-9300
(703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Version
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                                                                                                                                                                                                                                                                                                                                                                                                                            149; Indels
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63

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; NAME/KEY:
; LOCATION:
US-08-804-227C-1
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local :
                                                                                                                                                                                  17178
                                  17298 TGCCCTGGGCCGCGGACCACAGCGTGCACGGCCGCCCCGGCCCCCGCCCCTGC
                                                                                                         17238 CCCTCGACCTGCCCGGCGGACGCGGAACGGTGTGGACCGGAGCGCTCTCCGCGGCCACCC 17297
                                                                                                                                                                                                                                                           17118 TGGCCGCCGAACTGCCCACCTACGCCTTCCAGCGCACCCACTACTGGCTCGACGCCCCG 1717
                                                                                                                                                                                                                                                                                                                                  17058 CCTACGCACACGGCGTCCCCTGCGGGCTCGCCGCCCCCGACGCCGCGTCCCTCGCCG 17117
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NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: ASCI(DOS) TO CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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549 ACTTCCAGGCCGGCCGCTTCCACTTGGACGGCAGCCGCGAGACCTTCGACTGCCTTTTCG
                                                                     489 GGAACTGCTTCTTCGCGCTCAGCGTGAAGATGGCTTCGGGCCCCACGAGCATCCGCGTGC 548
                                                                                                                                                                                                                      369
                                                                                                                                                                                                                                                                                                                                                                      252 CGTCCTCGCCAGCGGCCCCCGTGCGTCCCCGGCCTGCCCGGCGGTCCCAGCCCCAGCCC 311
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LOCATION:
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OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
les 192; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US/08/804,227C FILING DATE: February 21, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY:
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                                                                                                                                            CGCACGAGCGGCTGCCGAGCCCGTGGGCACCTTCTTGGTGCGCGACAGTCGTCAAC
                                                                                                                                                                                                                                                                                             CTGGCGACACTCACTTCCGCACCTTCCGCTCCCACTCCGATTACCGGCGCATCACGC---
                                                                                                                                                                                                                      GGACCAGCGCGCTCCTGGACGCCTGCGGCTTCTATTGGGGACCCCTGAGCGTGCACGGGG
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20010..31199
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31232..36067
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816..14234
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809
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Best Local Similarity
Matches 162; Conserv
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GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11,
                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (215) 568-343 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17358 TCGACCTGGCGCTCCACGCCGCCGCCGCGCGAGTTGACCTTCGAGGCGCCGCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17418 TGCTGCCGGAGGACGGAGAGGTCCGGCTGCGCGTCGTACTCGCTGAACCG 17467
                                                                                                                                                                                                                                                                                                  HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Herpes simplex virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                   1970 CTCCGGGGGCCCCGCGCACCACCACCGCCCTCGCCCCTCCCGCCCCTCGCCCCTCC 2029
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: WordPerfect
CURRENT APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Schaffer, APPLICANT: Yeh, Lily
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEPHONE: (215) 568-3100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
172 CAACCAGGTGGCAGCCGACAATGCGATCTCCCCGGCAGCAGAGCCCCGACGGCGGTCAGA 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 609 AGCTGCTGGAGCACTACGTGGCGGCGCCGCGCGCCGCATGTTGGGGGCCCCCG 658
                                                                  112 GCAGCCCCGGACGCTATGGCCCACCCCTCCAGCTGGCCCCTCGAGTAGGATGGTAGCACG 171
                                                                                                                                      52 CTGTTGGCCGGCCTGTGCCACCCGGACGCCCGGCTCACTGCCTCTGTCTCCCCCATCAGC 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 0 FILING DATE: 05-MAY-1993 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Leary Ph.D., Kathryn REGISTRATION NUMBER: 36,31 REFERENCE/DOCKET NUMBER: DI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 0:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: One Libert
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One Liberty Place, 46th floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/08458568A
                                                                                                                                                                           Conservative
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                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                                                                                                                                                                                                               double
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                                                                                                                                                                                            46.48;
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                                                                                                                                                                           Score 49.8; DB 2;
Pred. No. 0.021;
0; Mismatches 187;
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                                                                                                                                                                             187;
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; SOFTWARE: FastSEQ for Windows Version 3.0; SEQ ID NO 1; LENGTH: 5452; TYPE: DNA; ORGANISM: VEBNA US-09-130-114-1
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APPLICANT: Horlick, Robert A.
APPLICANT: Damaj, Bassam B.
APPLICANT: Robbins, Alan K.
TITLE OF INVENTION: Eukaryotic Cells Stably Expressing
TITLE OF INVENTION: From Multiple Transfected Episomes
FILE REFERENCE: 0867/10903US1
CURRENT APPLICATION NUMBER: US/09/130,114
CURRENT FILING DATE: 1998-08-06
NUMBER OF SEQ ID NOS: 36
NUMBER OF SEQ ID NOS: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 4.0%;
Best Local Similarity 43.5%;
Matches 273; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/09130114 Patent No. 5976807
    1828
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TGGAGCACTACGTGGCGGCGCCGCGCATGTTGGGGGGCCCCGCTGCGCCAGCGCCGCG 674
                                                                                                                                      AGGCCGGCCGCTTCCACTTGGACGGCAGCCGCGAGACCTTCGACTGCCTTTTCGAGCTGC 614
                                                                                                                                                                                 teetgeteetgeceteetgeceeteetgeceeteetgeceeteetgetee
                                                                                                                                                                                                                               GCTTCTTCGCGCTCAGCGTGAAGATGGCTTCGGGCCCCACGAGCATCCGCGTGCACTTCC 554
                                                                                                                                                                                                                                                                        GCGCGCTCCTGGACGCCTGCGGCTTCTATTGGGGACCCCTGAGCGTGCACGGGGGCGCACG 434
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US-07-884-811-15/c
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                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: 755.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/25-3216
TELEFAX: 415/25-3216
TELEFAX: 415/25-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 10596 bases
TYPE: NUCLEIC ACID
STRANDEDNESS: $ingle
TOPOLOGY: linear
                                                                                                                                                                                                                                                  Query Match 4.0%;
Best Local Similarity 43.5%;
Matches 273; Conservative
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APPLICANT: GOODWSK1, Paul J. Lokker, Nathalle A.
TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
                                                                                    2913
                                                                                                                                                                    2973 CGGCCTCCACTGCCTCGACCCCGGCCTCCACCTCCTGCTCCTGCCCCTCCTGCTCCT 2914
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 530 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
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255 CCTCGCCAGCCGCCCCGTGCCTCCCCGGCCGTCCCCAGCCCCAGCCCCTG 314
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Dreger, Ginger R. REGISTRATION NUMBER: 33,055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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                                                                                                                                                                                                                                                Score 49; DB 1; Length 10596; Pred. No. 0.031; 0; Mismatches 350; Indels
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US-07-885-971-15/c
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APPLICANT: GODOWSK1, Paul J. LOKKET,
TITLE OF INVENTION: HEPATOCYTE GROWTH
NUMBER OF SEQUENCES: 21
                              TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/885,97
FILING DATE: 1920518
SEQUENCE CHARACTERISTICS:
LENGTH: 10596 bases
                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Gliger R.
REGISTRATION NUMBER: 33,055
REFERENCE/DOCKET NUMBER: 77'
                                                                                                                                                                                    FILING DATE: 19920518
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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                                                                           TELECOMMUNICATION INFORMATION: TELEPHONE: 415/225-3216
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CITY: South San Francisco
STATE: Californ's
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                                                                          TELEPHONE:
                                                                                                                                                                       FILING DATE:
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RESULT 14
US-08-087-783A-15/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/08087783A Patent No. 5547856
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Best Local Similarity 43.5
Matches 273; Conservative
                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Godowski,
TITLE OF INVENTION: H
NUMBER OF SEQUENCES:
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS: ADDRESSEE: Genentech,
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                                                                                                                                                                                                        STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 recreerecreerecreerecreerecreerecreerecreerecreerecreerecreere
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGGCCGGCCGCTTCCACTTGGACGGCAGCCGGCGAGACCTTCGACTGCCTTTTCGAGCTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TGCCCCTCCTGCTCCTGCCCCTCCTGCCCCTCCTGCTCCTGCCCCTGCTCCTGCCCC 2678
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCTCGCCAGCGGCCCCGTGCGTCCCCGGGCCCTGCCCGGCGGTCCCAGCCCCAGCCCCTG 314
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       recreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreerecreer
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                                                                                                                                               94080
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Similarity 43.5%;
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FACTOR VA
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CURRENT APPLICATION DATA:

(Genentech)

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US-08-087-783A-15
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Best Local Similarity
Matches 273; Conserv
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                    2437
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 415/225-5416
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APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Marschang, Diane L. REGISTRATION NUMBER: 35,600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                               TCTGACCGGCTGCCGCTGCCGCAGC 821
                                  TGCGGCCGCTGCAGGAGCTGTGTCGCCAGCGCATCGTGGCCGCCGTGGGTCGCGAGAACC
                                                                                                                                                                               TGGAGCACTACGTGGCGCGCGCGCGCGCATGTTGGGGGGCCCCGCTGCGCCAGCGCCGCG
                                                                                                                                                                                                                                                          AGGCCGGCCGCTTCCACTTGGACGGCAGCCGCGAGACCTTCGACTGCCTTTTCGAGCTGC
                                                                                                                                                                                                                                                                                                                                                                 GCTTCTTCGCGCTCAGCGTGAAGATGGCTTCGGGCCCCACGAGCATCCGCGTGCACTTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GCGACACTCACTTCCGCACCTTCCGCTCCCACTCCGATTACCGGGGCATCACGCGGACCA 374
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                                                                                                                                                                                                                                                                                                                             GCGCGCTCCTGGACGCCTGCGGCCTTCTATTGGGGACCCCTGAGCGTGCACGGGGGGCGCACG 434
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US-08-194-088B-15/c
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Best Local Similarity
Matches 273; Conserv
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TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 09-FEB-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/8848
FILING DATE: 18-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: GAllegos, R. Thomas
REGISTRATION NUMBER: 32,692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                  2737
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LENGTH: 10596 bases
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CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
                                                                                                                                       375
                                                                                                                                                                                                          315
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES:
495
                                                                   435
                                                                                                                                                                                                                                                                                                                                                 195 CGATCTCCCCGGCAGCAGCCCCGACGGCGGTCAGAGCCCTCCTCGTCCTCGTCTTCGT 254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 460 Point San Bruno Blvd
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                                                                                                    GCTTCTTCGCGCTCAGCGTGAAGATGGCTTCGGGCCCCACGAGCATCCGCGTGCACTTCC
                                GCGCGCTCCTGGACGCCTGCGGCTTCTATTGGGGACCCCTGAGCGTGCACGGGGCGCACG 434
                                                                                                                                                                         GCTCCTGCCCCTCCTGCCCCTGCTGCTCCTGCCCC----TCCTGCCCCCTCCTCCTGCTCC
                                                                                                                                                                                                          GCGACACTCACTTCCGCACCTTCCGCTCCCACTCCGATTACCGGCGCATCACGCGGACCA 374
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                                                                 AGCGGCTGCGTGCCGAGCCCGTGGGCACCTTCTTGGTGCGCGACAGTCGTCAACGGAACT 494
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SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US/08194088B
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